Discrete Mathematics
Volume 275, Numbers 1–3, 28 January 2004

Contents

Contributions

G. Appa and B. Kotnyek
Rational and integral *k*-regular matrices 1

V.P. Bakoev
Algorithmic approach to counting of certain types *m*-ary partitions 17

K. Betsumiya, S. Ling and F.R. Nemenzo
Type II codes over $\mathbb{F}_{2^m} + u\mathbb{F}_{2^m}$ 43

Ch.A. Charalambides
Non-central generalized *q*-factorial coefficients and *q*-Stirling numbers 67

M. Chen, G.J. Chang and D.B. West
Interval numbers of powers of block graphs 87

R. Daskalov, P. Hristov and E. Metodieva
New minimum distance bounds for linear codes over GF(5) 97

S. Fiorini and P.C. Fishburn
Weak order polytopes 111

H. Galeana-Sánchez and R. Rojas-Monroy
Kernels in pretransitive digraphs 129

L. Gionfriddo
Voloshin's colourings of P_3-*designs* 137

X. Guo and F. Zhang
Reducible chains of planar 1-cycle resonant graphs 151

S.M. Khamis
Height counting of unlabeled interval and *N*-free posets 165

J.H. Kwak, J. Lee and Y. Shin
Balanced regular coverings of a signed graph and regular branched orientable surface coverings over a non-orientable surface 177

A. Lladó and S.C. Lopez
Minimum degree and minimum number of edge-disjoint trees 195

0012-365X/04/$ - see front matter
doi:10.1016/S0012-365X(03)00670-8

R. Luo and C.-Q. Zhang
Edge coloring of graphs with small average degrees 207

K.G. Monks and J. Yazinski
The autoconjugacy of the $3x + 1$ function 219

P. Nelson and A.J. Radcliffe
Semi-regular graphs of minimum independence number 237

T. Pisanski, M. Boben, D. Marušič, A. Orbanić and A. Graovac
The 10-cages and derived configurations 265

P. Rosendahl
On the identification problems in products of cycles 277

Notes

P. Adams, D. Bryant and B. Maenhaut
Common multiples of complete graphs and a 4-cycle 289

R.C. Brigham, J.R. Carrington and R.P. Vitray
Extremal connected graphs for independent domination number 299

F.M. Dong, K.M. Koh and C.A. Soh
Divisibility of certain coefficients of the chromatic polynomials 311

G. Ge
Mandatory representation designs MRD($\{4, k\}; v$) with $k \equiv 1 \bmod 3$ 319

A.E. Koller and S.D. Noble
Domination analysis of greedy heuristics for the frequency assignment problem 331

Y. Lin and A. Yang
On 3-cutwidth critical graphs 339

Q.-L. Lu
On a restricted m-ary partition function 347

N.R. Rocco and J.S. Rocha
A note on finite semifields and certain p-groups of class 2 355

L. Sun
A result on Vizing's conjecture 363

A. Wierman, J. Salzman, M. Jablonski and A.P. Godbole
An improved upper bound for the pebbling threshold of the n-path 367

H.W. Zou
The chromatic uniqueness of certain complete t-partite graphs 375

Erratum

D.R. Woodall
Erratum to "A zero-free interval for chromatic polynomials" [Discrete Mathematics 101 (1992) 333–341] 385

Author index to volume 275 391

CONTENTS Direct

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at: **http://contentsdirect.elsevier.com**